

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A mounting plate (10) for electronic components (12) having cooling conduits (16, 18) integrated in a plate body (14) for a cooling medium to flow through, wherein a fastening arrangement for mounting the electronic components is arranged on the plate body (14), the mounting plate comprising:

the fastening arrangement having at least one holding element (25, 26) with a fastening screw thread (25.3, 26.5) and at least one first groove (20) or rib, to be undercut, extending in a straight line in an extension direction (A) of the mounting plate (10), and into which the at least one holding element (25, 26) is insertable for fixing the component (12) in place, wherein the at least one holding element is embodied as a groove insert (26) which includes a base part (26.1) insertable into the first groove (20), a top part (26.2) protruding from the first groove (20) and a fastening section (26.4) protruding transversely from the top part (26.2) and spaced apart from a mounting level of the mounting plate (10) and the fastening section (26.4) includes at least one threaded bore (26.5) into which an attachment screw (34) can be rotated for fixing the component (12) in place;

the fastening arrangement having at least one second groove (22) or rib similar to the first groove (20) or rib and extending parallel with respect to the first groove (20) or rib, with a distance (B) from the first groove (20) or rib substantially determined by a length of extension (B) of the electronic component (12) to be mounted, which runs perpendicularly with respect to the first or second groove (20, 22) or rib;

the fastening arrangement having at least one further groove (24) or rib extending parallel with the second groove (22) or rib, similar to the first groove or rib (20) and the second groove (22) or rib, which extends along the side (26) of the second groove (22) or rib facing away from the electronic component to be mounted at a distance (C) which is less than the distance (B) between the first groove (20) or rib and the second groove (22) or rib, wherein at least one of the first groove (20), the second groove (22) or the next further groove (24) is embodied in one piece with the plate body;

wherein electronic components (12), which have screw holes, can be fastened by screws (28, 34) directly on the holding elements (25, 26) inserted into the grooves (20, 22, 24) or ribs, or can be fixed in place by strip-like holding elements (27, 28), which are attached one of indirectly and directly to the holding elements (25, 26);

the fastening arrangement comprising at least one angled sheet metal piece (30), and electronic components (12) having holes with a spacing between each other that is one of less than the distance (B) between the second groove (22) and the first groove (20), and less than the distance of the next further groove (24) from the first groove (20), can be clampingly fixed in place at least on one side by an angled sheet metal piece (30) with at least one screw (32) engaging a spring nut inserted into a corresponding groove (22), the angled sheet metal piece (30) having a flat base plate (34) for placement against the mounting plate (10), a clamping area (36), which is angled with respect to it, for the clamping fixation of the electronic component (12) to be mounted, and at least one elongated hole (38) which extends perpendicularly (D) with respect to the direction (A) of extension of the second groove (22) or the still further groove (24), for receiving the screw (32);

the fastening arrangement comprising at least one holding element that is a sliding block (25) with a base part (25.1) which can be pushed into one of the grooves (20, 22, 24), and a top part (25.2) protruding from the groove (20, 22, 24), and a threaded bore (25.3) is arranged in the top part (25.2) in a normal direction with respect to the mounting level, on which a holding for the component (12) can be screwed in place; and

the fastening arrangement comprising at least one holding strip (27) which can be arranged transversely with respect to the grooves (20, 22, 24) and is dimensioned to span the distance between two grooves (20, 22; 20, 24) and can be fixed in place by threaded bores (25.3, 26.3) in end sections on both sides in at least one of the sliding blocks (25) and groove inserts (26) pushed into the respective grooves (20, 22, 24).

2. (Canceled)

3. (Currently Amended) The mounting plate in accordance with claim 27, wherein the fastening arrangement has at least one further groove (24) or rib extending parallel with the second groove (22) or rib, similar to the first groove or rib (20) and the second groove (22) or rib, which extends along the side (26) of the second groove (22) or rib facing away from the electronic component to be mounted at a distance (C) which is less than the distance (B) between the first groove (20) or rib and the second groove (22) or rib.

4. (Currently Amended) The mounting plate in accordance with claim 3, wherein electronic components (12), which have screw holes, can be

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fastened by screws (28, 34) directly on the holding elements (25, 26) inserted into the grooves (20, 22, 24) or ribs, or can be fixed in place by the at least one holding strip ~~strip-like holding elements (27, 28), which are~~ attached one of indirectly and directly to the holding elements (25, 26).

5. (Currently Amended) The mounting plate in accordance with claim 4, wherein the fastening arrangement comprises at least one angled sheet metal piece (30), and electronic components (12) having holes with a spacing between each other that is one of less than the distance (B) between the second groove (22) and the first groove (20), and less than the distance of the next further groove (24) from the first groove (20), can be clampingly fixed in place at least on one side by an angled sheet metal piece (30) with at least one screw (32) engaging at ~~[[the]]~~ a holding element inserted into the corresponding groove (22).

6. (Previously Presented) The mounting plate in accordance with claim 5, wherein the angled sheet metal piece (30) has a flat base plate (34) for placement against the mounting plate (10), and a clamping area (36), which is angled

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with respect to it, for the clamping fixation of the electronic component (12) to be mounted.

7. (Previously Presented) The mounting plate in accordance with claim 6, wherein the angled sheet metal piece (30) has at least one elongated hole (38) which extends perpendicularly (D) with respect to the direction (A) of extension of the second groove (22) or the still further groove (24), for receiving the screw (32).

8. (Previously Presented) The mounting plate in accordance with claim 7, wherein the holding element is a spring nut.

9. (Previously Presented) The mounting plate in accordance with claim 8, wherein at least one of the first groove (20), the second groove (22) and the next further groove (24) are embodied in one piece with the plate body.

10. (Canceled)

11. (Currently Amended) The mounting plate in accordance with claim [[9]] 27, wherein at least one holding element is a sliding block (25) with

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a base part (25.1) which can be pushed into one of the grooves (20, 22, 24), and a top part (25.2) protruding from the groove (20, 22, 24), and ~~[[a]] one of the threaded bores~~ bore (25.3) is arranged in the top part (25.2) ~~in a normal direction with respect to the mounting level, on which a holding for the component (12) can be screwed in place.~~

12. (Canceled)

13. (Currently Amended) The mounting plate in accordance with claim ~~[[12]]~~ 27, wherein at least one strip-like bridge (28) is displaceably insertable at a distance from the mounting level between two holding strips (27), which are arranged on both sides of a component (12) parallel with respect to each other, and has bores (28.1) by which the component (12) can be fixed in place at a base (12.1) by at least one attachment screw.

14. (Previously Presented) The mounting plate in accordance with claim 13, wherein the bridge (28) has open slits (28.2) in both end sections toward the holding strips (27), by which it is displaceably held on the holding strips (27).

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15. (Previously Presented) The mounting plate in accordance with one of claim 14, wherein at least one of the holding strip (27) and the bridge (28) has a row of threaded bores (27.1, 28.1) or fastening holes.

16. (Previously Presented) The mounting plate in accordance with claim 15, wherein at least one of the holding strip (27) and the bridge (28) is designed in an angular shape in cross section, or has at least one reinforcement rib.

17. (Currently Amended) The mounting plate in accordance with claim [[1]] 27, wherein electronic components (12), which have screw holes, can be fastened by screws (28, 34) directly on the holding elements (25, 26) inserted into the grooves (20, 22, 24) or ribs, or can be fixed in place by the at least one holding strip (27) ~~strip-like holding elements (27, 28), which are attached one of indirectly and directly to the holding elements (25, 26).~~

18. (Currently Amended) The mounting plate in accordance with claim [[1]] 27, wherein the fastening arrangement comprises at least one angled sheet metal piece (30), and electronic components (12) having holes with a spacing between each other that is one of less than the distance (B) between a second groove

(22) and the first groove (20), and less than the distance of a next further groove (24) from the first groove (20), can be clampingly fixed in place at least on one side by an angled sheet metal piece (30) with at least one screw (32) engaging at ~~[[the]]~~ a holding element inserted into the corresponding groove (22).

19. (Currently Amended) The mounting plate in accordance with claim ~~[[1]]~~ 18, wherein the holding element is a spring nut.

20. (Currently Amended) The mounting plate in accordance with claim ~~[[1]]~~ 27, wherein at least one of the first groove (20), a second groove (22) and a next further groove (24) are embodied in one piece with the plate body.

21. (Canceled)

22. (Currently Amended) The mounting plate in accordance with claim 3, wherein at least one of the holding elements is a sliding block (25) with a base part (25.1) which can be pushed into one of the grooves (20, 22, 24), and a top part (25.2) protruding from the groove (20, 22, 24), and ~~[[a]]~~ one of the threaded bores

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bore (25.3) is arranged in the top part (25.2) ~~in a normal direction with respect to the mounting level, on which a holding for the component (12) can be screwed in place.~~

23. (Currently Amended) ~~The mounting plate in accordance with claim 9, wherein~~ A mounting plate (10) for electronic components (12) having cooling conduits (16, 18) integrated in a plate body (14) for a cooling medium to flow through, wherein a fastening arrangement for mounting the electronic components is arranged on the plate body (14), the mounting plate comprising:

the fastening arrangement having at least one holding element (25, 26) with a fastening screw thread (25.3, 26.5) and at least one first groove (20) or rib, to be undercut, extending in a straight line in an extension direction (A) of the mounting plate (10), and into which the at least one holding element (25, 26) is insertable for fixing the component (12) in place, wherein at least one holding element is embodied as a groove insert (26) which includes a base part (26.1) insertable into the first groove (20), a top part (26.2) protruding from the first groove (20) and a fastening section (26.4) protruding transversely from the top part (26.2) and spaced apart from a mounting level of the mounting plate (10) and the fastening section (26.4) includes at least one threaded bore (26.5) into which an attachment screw (34) can be rotated for fixing the component (12) in place;

the fastening arrangement having at least one second groove (22) or rib similar to the first groove (20) or rib and extending parallel with respect to the first groove (20) or rib, with a distance (B) from the first groove (20) or rib substantially determined by a length of extension (B) of the electronic component (12) to be mounted, which runs perpendicularly with respect to the first or second groove (20, 22) or rib;

the fastening arrangement having at least one further groove (24) or rib extending parallel with the second groove (22) or rib, similar to the first groove or rib (20) and the second groove (22) or rib, which extends along the side (26) of the second groove (22) or rib facing away from the electronic component to be mounted at a distance (C) which is less than the distance (B) between the first groove (20) or rib and the second groove (22) or rib, wherein at least one of the first groove (20), the second groove (22) or the next further groove (24) is embodied in one piece with the plate body;

wherein electronic components (12), which have screw holes, can be fastened by screws (28, 34) directly on the holding elements (25, 26) inserted into the grooves (20, 22, 24) or ribs, or can be fixed in place by strip-like holding elements (27, 28), which are attached one of indirectly and directly to the holding elements (25, 26);

the fastening arrangement comprising at least one angled sheet metal piece (30), and electronic components (12) having holes with a spacing between each other that is one of less than the distance (B) between the second groove (22) and the first groove (20), and less than the distance of the next further groove (24) from the first groove (20), can be clampingly fixed in place at least on one side by an angled sheet metal piece (30) with at least one screw (32) engaging a spring nut inserted into a corresponding groove (22), the angled sheet metal piece (30) having a flat base plate (34) for placement against the mounting plate (10), a clamping area (36), which is angled with respect to it, for the clamping fixation of the electronic component (12) to be mounted, and at least one elongated hole (38) which extends perpendicularly (D) with respect to the direction (A) of extension of the second groove (22) or the still further groove (24), for receiving the screw (32);

the fastening arrangement has at least one holding strip (27) which can be arranged transversely with respect to the grooves (20, 22, 24) and is dimensioned to span the distance between two grooves (20, 22; 20, 24) and can be fixed in place by threaded bores (25.3, 26.3) in end sections on both sides in at least one of the sliding blocks (25) and groove inserts (26) pushed into the respective grooves (20, 22, 24).

24. (Currently Amended) The mounting plate in accordance with claim 23, wherein at least one strip-like bridge (28) is displaceably insertable at a distance from the mounting level between two holding strips (27), which are arranged on both sides of a component (12) parallel with respect to each other, and at least one of the holding strip (27) and a bridge (28) has a row of threaded bores (27.1, 28.1) or fastening holes.

25. (Currently Amended) The mounting plate in accordance with claim ~~[[23]]~~ 27, wherein at least one strip-like bridge (28) is displaceably insertable at a distance from the mounting level between two holding strips (27), which are arranged on both sides of a component (12) parallel with respect to each other, and at least one of the holding strip (27) and ~~the~~ ~~[[a]]~~ bridge (28) is designed in an angular shape in cross section, or has at least one reinforcement rib.

26. (Currently Amended) The mounting plate in accordance with claim 27 ~~A mounting plate (10) for electronic components (12) having cooling conduits (16, 18) integrated in a plate body (14) for a cooling medium to flow through, wherein a fastening arrangement for mounting the electronic components is arranged on the plate body (14), the mounting plate comprising:~~

~~the fastening arrangement having at least one holding element (25, 26) with a fastening screw thread (25.3, 26.5) and at least one first groove (20) or rib, to be undercut, extending in a straight line in an extension direction (A) of the mounting plate (10), and into which the at least one holding element (25, 26) is insertable for fixing the component (12) in place, wherein the at least one holding element is embodied as a groove insert (26) which includes a base part (26.1) insertable into the first groove (20), a top part (26.2) protruding from the first groove (20) and including the threaded bores (25.3, 26.3), and a fastening section (26.4) protruding transversely from the top part (26.2) and spaced apart from a mounting level of the mounting plate (10), when inserted the groove insert (26) can be positioned over a portion of the component (12) to be secured, the fastening section (26.4) being spaced apart from the mounting level a distance greater than a thickness of the portion of the component (12) in a direction perpendicular to the mounting level, and the fastening section (26.4) includes at least one threaded bore (26.5) into which an attachment screw (34) can be rotated for fixing the component (12) in place.~~

27. (Previously Presented) A mounting plate (10) for electronic components (12) having cooling conduits (16, 18) integrated in a plate body (14) for a cooling medium to flow through, wherein a fastening arrangement for mounting the

electronic components is arranged on the plate body (14), the mounting plate comprising:

the fastening arrangement includes at least one holding element (25, 26) with a fastening screw thread (25.3, 26.5) and at least one first groove (20) or rib, to be undercut, extending in a straight line in an extension direction (A) of the mounting plate (10), and into which the at least one holding element (25, 26) is insertable for fixing the component (12) in place;

the fastening arrangement includes at least one second groove (22) or rib similar to the first groove (20) or rib and extending parallel with respect to the first groove (20) or rib, with a distance (B) from the first groove (20) or rib substantially determined by a length of extension (B) of the electronic component (12) to be mounted, which runs perpendicularly with respect to the first or second groove (20, 22) or rib; and

the fastening arrangement includes at least one holding strip (27) which can be arranged transversely with respect to the first groove (20) and the second groove (22) and is dimensioned to span the distance between the first groove (20) and the second groove (22) and can be fixed in place by threaded bores (25.3, 26.3) in end sections on both sides in the at least one holding element (25, 26) pushed into the first groove (20) or the second groove (22).